

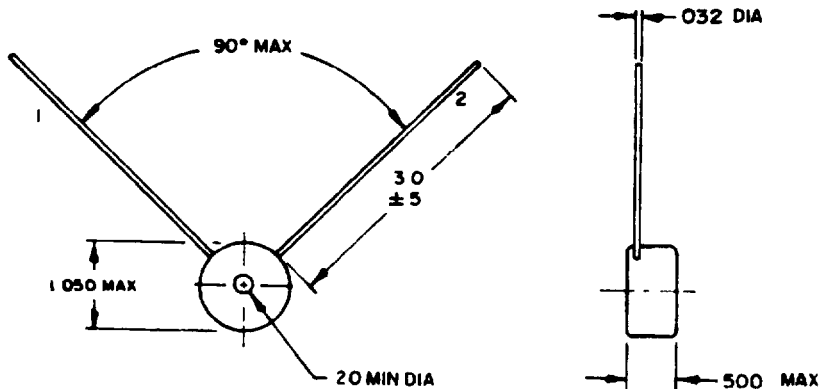
MILITARY SPECIFICATION SHEET

TRANSFORMERS AND INDUCTORS
 (AUDIO, POWER, AND HIGH-POWER PULSE),
 INDUCTOR, POWER, T75S04Z2

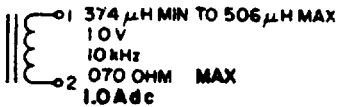
(A)

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for procuring the inductor described herein shall consist of this document and the latest issue of Specification MIL-T-27.



CIRCUIT DIAGRAM
 AND MARKING



(A)	INCHES	MM
	.037	.91
	.20	5.1
	.500	12.70
	1.050	26.67
	3.0	76.2

NOTES

- 1 Dimensions are in inches.
- 2 Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.
- 3 Marking shall be on the side of the case

FIGURE 1 Dimensions and configuration

(A) denotes changes

MIL-T-27/85A

REQUIREMENTS: (When numbers in parentheses, i.e., (1-2) are used, they indicate the extreme terminals of the winding.)

Electrical ratings

Inductance (1-2). 374 microhenrys minimum, 506 microhenrys maximum.
Voltage (1-2): 1 volt, 10 kilohertz.
Power 0.07 watt
Current (1-2): 1 ampere dc.
DC resistance (1-2). 0.070 ohm dc maximum.

Design and construction:

Dimensions and configuration: See figure 1.

Duty cycle Continuous.

Case: Encapsulated.

Material Epoxy.

Terminals: Solid wire lead, No. 20 AWG, tinned soft copper, magnet wire.

(A) Weight: 27.5 grams maximum.

Operating temperature range: -55°C to +130°C

Terminal strength MIL-STD-202, method 211, test condition A, 2 pounds.

Terminal twist MIL-STD-202, method 211, test condition D.

Dielectric withstanding voltage (at sea level). 100 volts rms.

Electrical characteristics:

Inductance. With 1 volt rms, 10 kilohertz across, and 1 ampere dc applied to (1-2) the inductance shall be 374 microhenrys minimum, 506 microhenrys maximum.

Marking location: See figure 1.

Part number: M27/85-01

Custodians

Army - EL

Navy - EC

Air Force - 85

Review activities:

Army - MI

Navy - SH, OS

Air Force - 11, 17, 99

DLA - ES

User activities:

Army - MU, WC, ME

Navy - MC, AS, SH, OS

Air Force - 19

Preparing activity

Army - EL

Agent.

DLA - ES

(Project 5950-0541-1)

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SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No 22-R255
<p>INSTRUCTIONS This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.</p>		
<p>SPECIFICATION MIL-T-27/85A TRANSFORMERS AND INDUCTORS (AUDIO, POWER, AND HIGH-POWER PULSE), INDUCTOR, POWER TF5504ZZ</p>		
<p>ORGANIZATION</p>		
<p>CITY AND STATE</p>		<p>CONTRACT NUMBER</p>
<p>MATERIAL PROCURED UNDER A</p> <p><input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT</p>		
<p>1 HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?</p> <p>A GIVE PARAGRAPH NUMBER AND WORDING</p>		
<p>B RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES</p>		
<p>2 COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID</p>		
<p>3 IS THE SPECIFICATION RESTRICTIVE?</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO (If "yes", in what way?)</p>		
<p>4 REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers attach to form and place both in an envelope addressed to preparing activity)</p>		
<p>SUBMITTED BY (Printed or typed name and activity - Optional)</p>		<p>DATE</p>

DD FORM 1426
1 JAN 60

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED

ESC-FM 1068-68

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